

Amendments to the Specification

Please amend the specification as follows:

At page 9, lines 12-19:

Figure 1 depicts an exemplary Personal Digital Assistant (PDA) 100 (e.g., during a normal operating mode). The PDA 100 is also known as a palmtop or palm-sized electronic device or portable computer system. The PDA 100 stores substantial items of information in its memory.

*At Comm.*  
The information may be stored in accordance with a plurality of views of a database organized in different files created by a user. Numerous icons, represented by circles in Figure 1, displayed on display screen 110 (e.g., graphical user interface) may represent a plurality of data base views or the files stored in the memory. Each icon displayed on display screen 110 is labeled to identify the file or the view of a database it represents.

At page 10, line 6 through page 12, line 20:

*At Comm.*  
The PDA 100 also has the capability to transmit and receive data and information over a wireless communication interface (e.g., a radio interface). The PDA 100 ~~is an exemplary implementation of implements an exemplary graphical user interface providing a fly over user interface (FOUI) mode.~~

In one embodiment of the present invention icon 190 is specifically designed for the purpose of invoking “FOUI” the fly over mode. A user can invoke fly over user interface (FOUI)

mode by touching a non-active area 180 of display screen 110 with stylus 210 or in the alternative click on icon 190. It is appreciated that the non-active area 180 of display screen 110 may be an area which is not occupied by icons.

Figure 2 depicts an embodiment of the present invention, where a user ~~invokes~~ may initiate a ~~fly over user interface (FOUI)~~ to initiate a magnification display mode. During the ~~magnification display fly over~~ mode, a larger number of icons and ~~magnifying fly over~~ area 220 appear on display screen 110. Figure 2 illustrates an exemplary view of display screen 110 during a ~~magnification display fly over~~ mode while ~~magnifying fly over~~ area 220 is placed over icon 230. Icon 230 viewed through ~~magnifying the fly over~~ area 220 appears larger than its original size and ~~relative to~~ the other icons on display screen 110. During ~~magnification display fly over~~ mode not all icons can be displayed on display screen 110. The display of some of the icons is extended beyond the borders of display screen 110. However, all icons can be brought into view on display screen 110 by scrolling the icons in directions 130, 140 and 160 of Figure 1.



For example, Figure 1 depicts PDA 100 during a normal mode of operation showing a small number of icons on display screen 110, although a large number of icons are extended outside the viewing area and not visible to the user. Figure 2 illustrates the viewing area of display screen 110 after ~~fly over user interface (FOUI)-mode~~ is invoked and ~~magnification display session~~ is initiated. During ~~magnification display session~~ the fly over mode, a larger number of icons, smaller in size (e.g., feature size), appear on the viewing area of display screen 110. Appearance of

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a larger number of icons on display screen 110 facilitates a subsequent search for a target icon.

During this session, a user has access to a larger number of icons while the user can fly over the smaller size icon with a magnifying tool, magnifying fly over area 220, with enhanced visibility.

Another embodiment of the present invention enables a user to control magnification power of magnifying fly over area 220. For example, a user may display an object displayed through display screen 110 twice as large as its original smaller size by selecting two degrees of magnification. By using a “2” degree of magnification, the items of information directly under and within the magnifying fly over area 220 will be zoomed in and appear as large as its original size during the normal operating mode, while other non-magnified items will be zoomed-out and appear smaller in size by a factor of “2”, thus the zoomed in item becomes clearly visible and legible to the user.

A navigation session begins when a user drags magnifying the fly over area 220 in direction 130, 140 or 160 of Figure 1, in search of an item of information (e.g., icon 330). The user drags magnifying the fly over area 220 across display screen 110 with the aid of stylus 210.

Figure 3 illustrates a navigation session for locating a desired item of information (e.g., icon 330). The user places stylus 210 over magnifying rectangle the fly over area 220 and moves stylus 210 in direction 130, 140 and 160 of Figure 1. The user navigates display screen 110 until icon 330 is found under magnifying rectangle the fly over area 220.

Figure 1 also depicts display screen 110 when ~~magnification display the fly over mode~~ session is terminated. In one embodiment of the present invention, the user may terminate a ~~magnification display the fly over mode~~ session by removing stylus 210 from display screen 110. When a ~~magnification display the fly over mode~~ session is terminated, display of icons on display screen 110 return to their normal size as depicted in Figure 1.

At page 13, line 4 through page 16, line 11:

In another embodiment of the present invention, the user may search for a particular line or a particular sentence within the displayed text. The search is conducted by navigating display screen 110 by moving ~~magnifying fly over area~~ 220 in directions 130, 140 and 160 of Figure 1. The navigation process will continue, while the ~~magnifying fly over area~~ 220 slides over the text and enhancing the legibility, until the desired line or the desired sentence is found. It is appreciated that the detail of information is not limited to textual data, and in other embodiment of the present invention the detail information may be graphics, tables of numbers, calendars, maps of cities, telephone directories or the like.

Figures 5A, 5B, 5C, and 5D are exemplary illustrations of an embodiment of the present invention. According to this embodiment of the present invention, a user of system 500, equipped with ~~FOUI~~ a fly over area, can search for an address and a direction to a named location in a city. System 500 is equipped with an internal memory (e.g., hard disk, RAM, PROM, RAM, EPROM, etc.) and may be adapted to receive an add-in memory card complying with PCMCIA (e.g., PC

card). The internal memory or the add-in memory card contains the addresses for the residential and businesses located in the city B, along with the map of the city B. Furthermore, for the sake of this example, a user of the device can use system 500 to find a direction to a residential address 1322 on the 9<sup>th</sup> street.

Figure 5A depicts display screen 110 when a magnification fly over display mode session has been initiated. A navigation fly over display mode session is initiated when magnifying a fly over area 220 appears on display screen 110. The user then can navigate display screen 110 by moving magnifying fly over area 220 using stylus 210 in direction 130, 140, and 160 of Figure 1. As the user moves magnifying fly over area 220 in directions 130, 140, and 160 of Figure 1, the information outside the viewing area will scroll into the user viewing area. The navigation of information and scrolling of the information may continue until the desired item of information is found and placed under magnifying fly over area 220. Figure 5A depicts an instant where icon labeled "Addresses" is found and is under magnifying fly over area 220.

Figure 5B illustrates the next session in the search for the desired address 1322 on the 9<sup>th</sup> street after icon labeled "addresses" is found. Figure 5B illustrates that the user has terminated magnification display the fly over display mode session by removing stylus 210 from display screen 110. Figure 5B depicts display screen 110 in its normal mode of operation and a smaller number of icons, including the desired icon labeled "addresses" remain on display screen 110 (e.g., a first amount of a graphical user interface). It is appreciated that the sizes of circles, representing

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~~icons, are larger than the size of circles displayed on display screen 110 during magnification display session.~~

Figure 5C is another embodiment of the present invention, where the user of system 500 who wishes to find the location of and a direction to 1322, 9<sup>th</sup> street in city B continues the search and finds the list of the streets in the city. The user activates icon labeled "addresses" and a list of streets will appear on screen 110. The user scrolls the list in the directions 130, 140 or 160 of Figure 1 until 9<sup>th</sup> street appears under magnifying-a fly over area 220. It is appreciated that the sizes of the text in the fly over area 220 is larger than the size of text displayed on the rest of the display screen 110. However, the text outside the fly over area 220 is smaller than the text originally displayed, as shown in Figure 5B. Thus, more text in the graphical user interface is now viewable.

*A B C M X*

Figure 5D illustrates a view of a section of the map of the city B, where the 9<sup>th</sup> street is located. The user points stylus 220 on 9<sup>th</sup> street in Figure 5B to get geographical location of 9<sup>th</sup> street. Accordingly, location of 9<sup>th</sup> street in relation with two major Interstates freeways will appear under magnifying-fly over area 220.

Figure 6 is a flowchart of the steps in a process 600 for initiating a Fly Over user interface (FOUI)-fly over mode and navigation of information in search for a desired item of information.

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In step 610 of Figure 6, in one embodiment of the present invention, a user can activate the fly over ~~user interface (FOUI)~~ mode by pointing a pointer to a non-active area of a display screen. In another embodiment of the present invention, a user can activate ~~(FOUI)~~ the fly over mode by clicking on an icon, on the display screen, which is specifically designated for activation of ~~the fly over user interface mode~~.

In step 620 of Figure 6, ~~the FOUI is activated and the device is in magnification display mode. A magnifying fly over area appears on the display screen and the user can move the magnifying fly over area in all directions by holding the pointer on the magnifying area and dragging the pointer in different directions. During magnification display the fly over mode, a larger number of items of information, which are smaller in size (e.g., feature size), are displayed on the display screen.~~

*My Change*

In step 630 of Figure 6, the user moves the magnifying fly over area over the displayed information on the display screen to locate a desired item of information. Items of information appearing within the perimeter of the magnifying fly over area are magnified according to the degree of magnification of the magnifying area and are clearly legible.

At page 16, lines 18-21:

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*Act  
Cmt*

In step 650 of Figure 6, the user may terminate the navigation session and exit FOUI-the fly over mode by removing the pointer from the screen. Once the session is terminated, the display screen displays items of information in their normally displayed sizes.